

FIG. 1

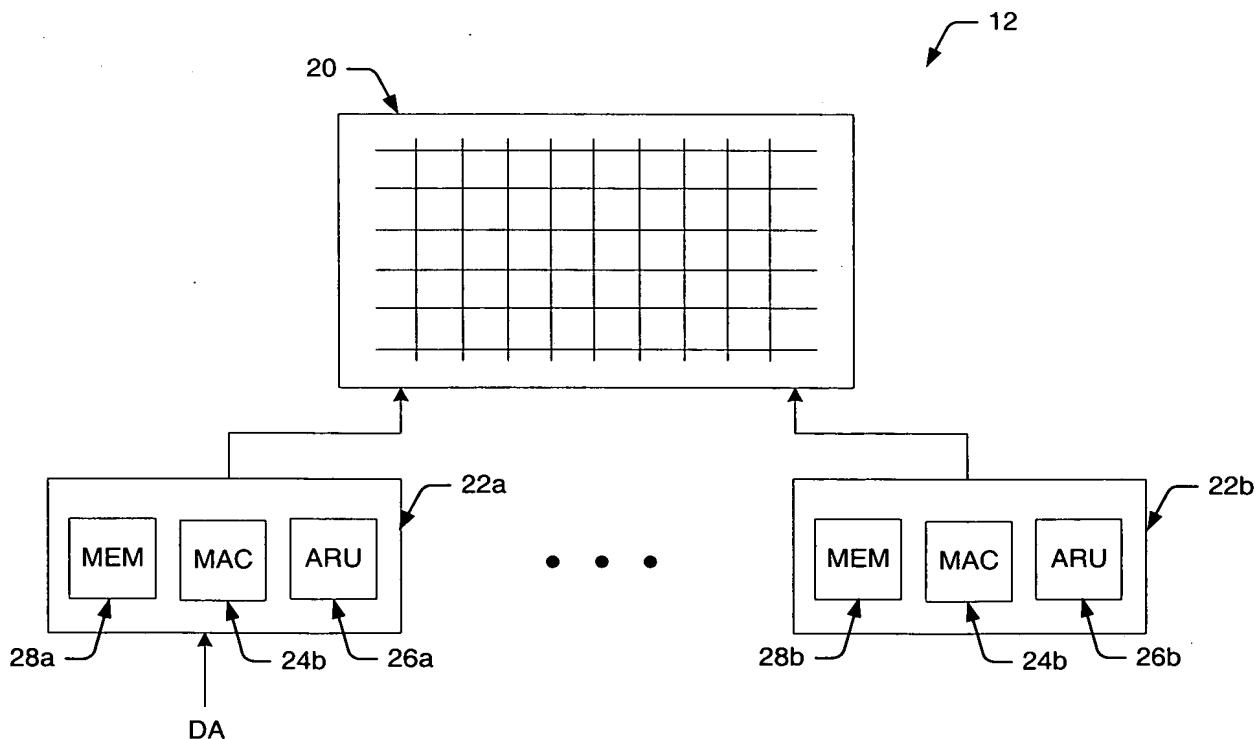


FIG. 2

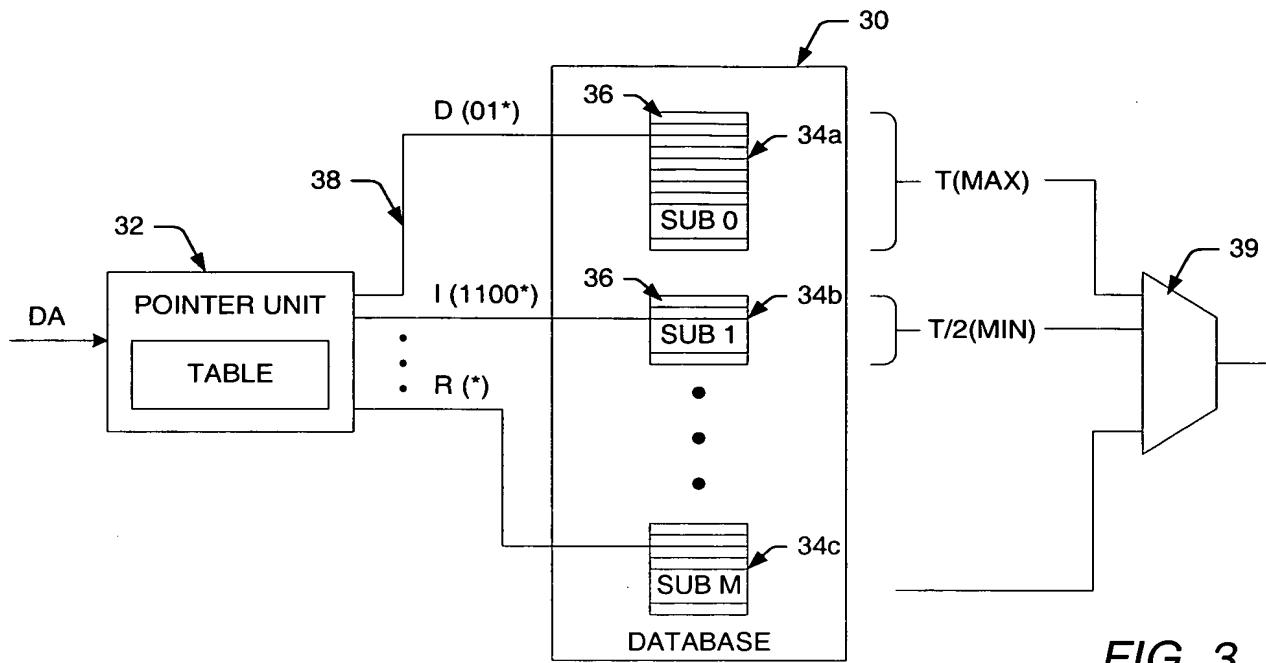


FIG. 3

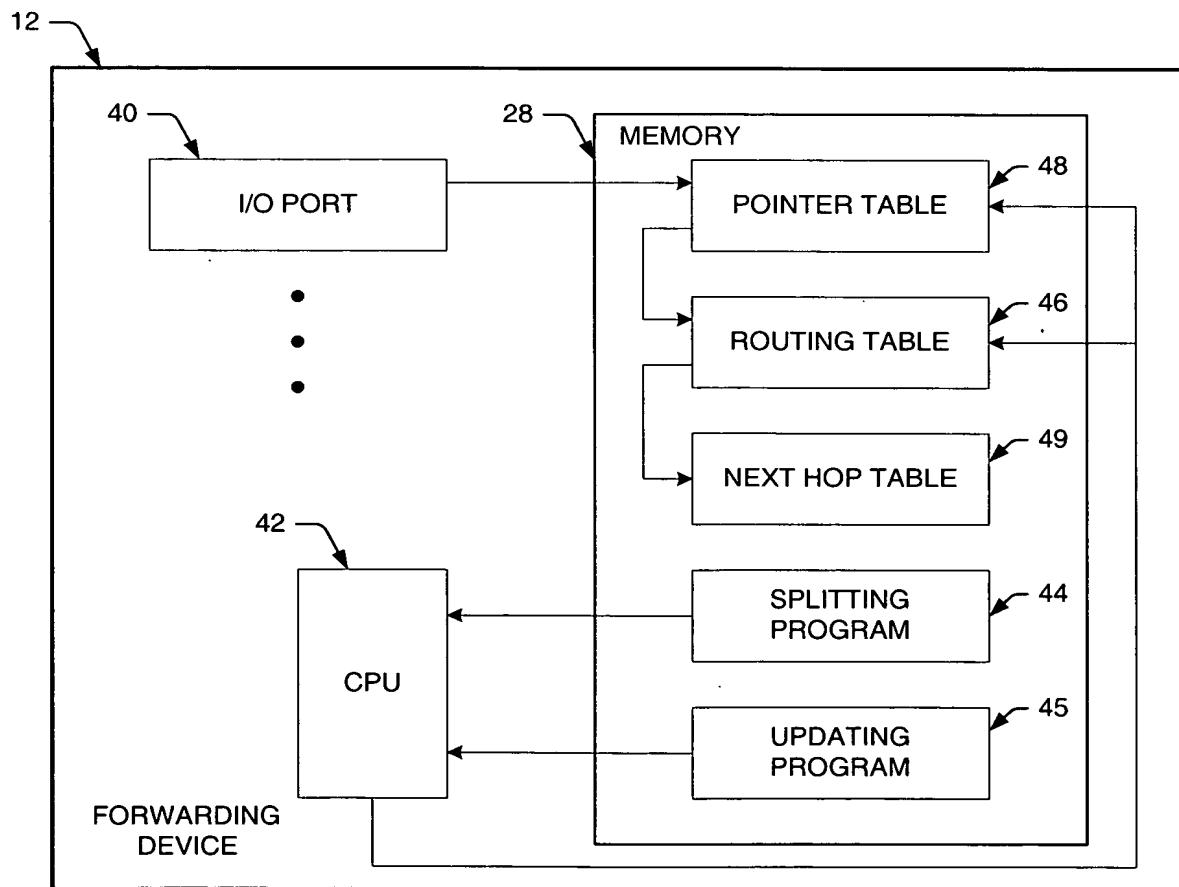


FIG. 4

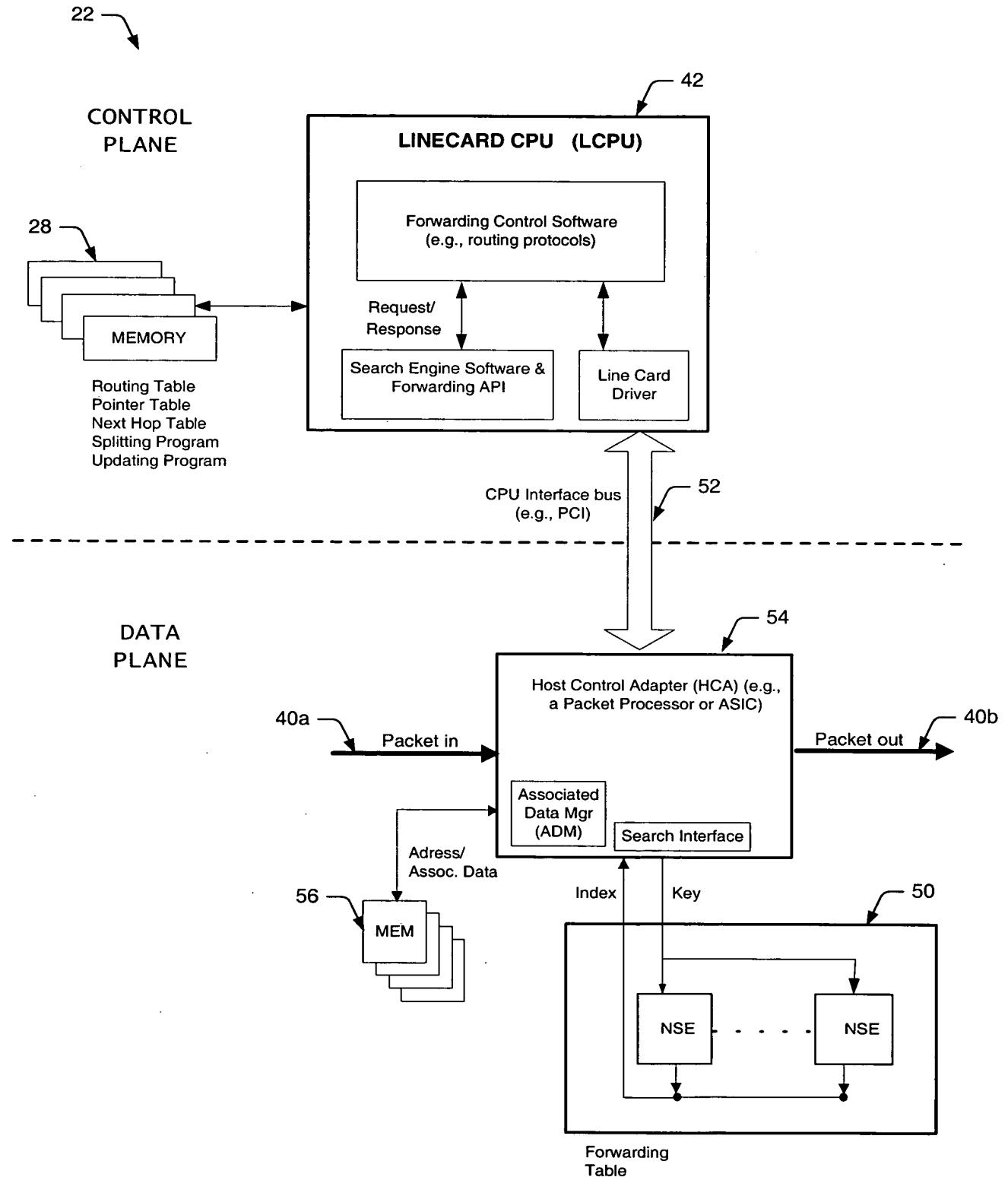


FIG. 5

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## STATIC SPLIT MERGE (SSM) ALGORITHM

T=50; N=300; Ns=7

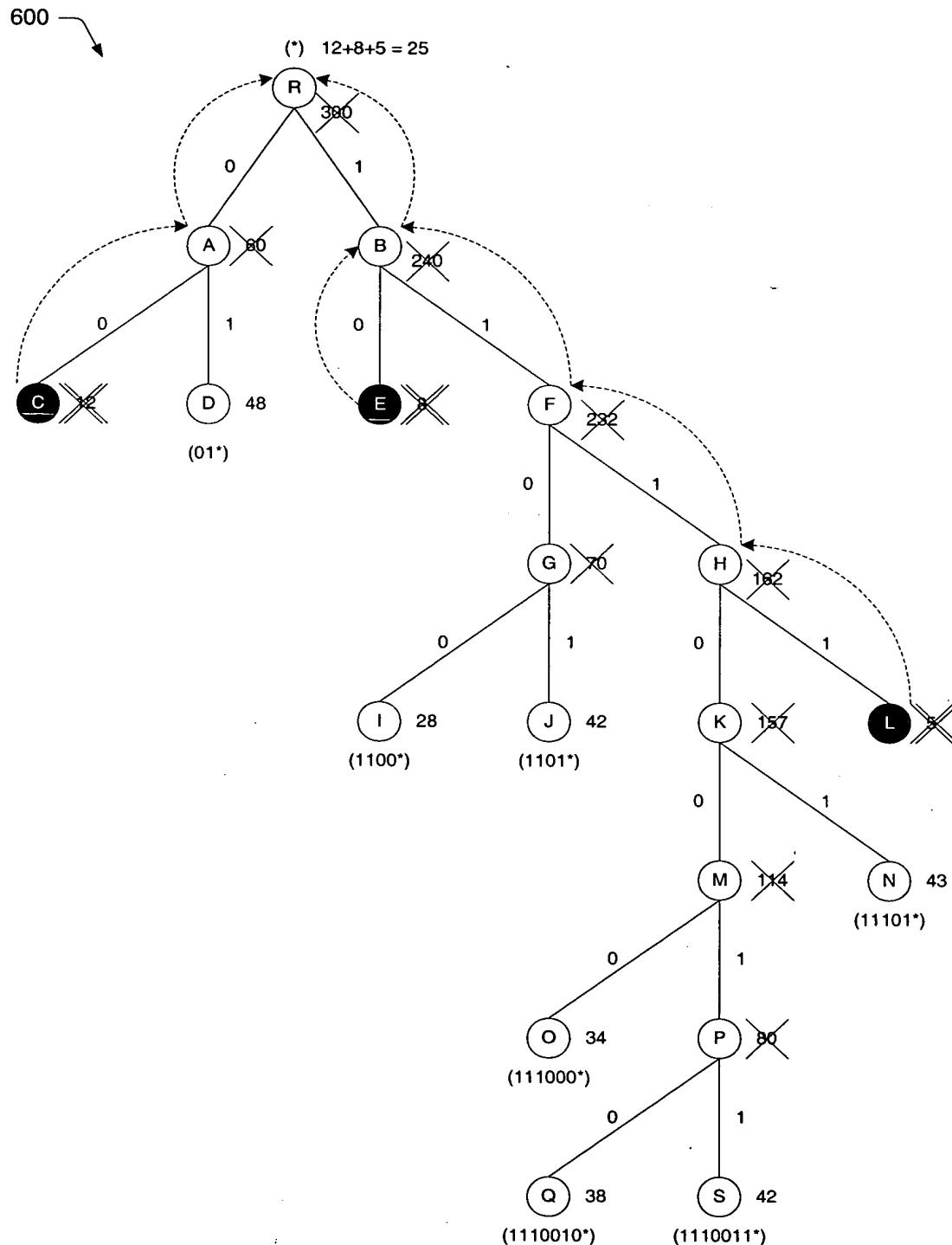


FIG. 6

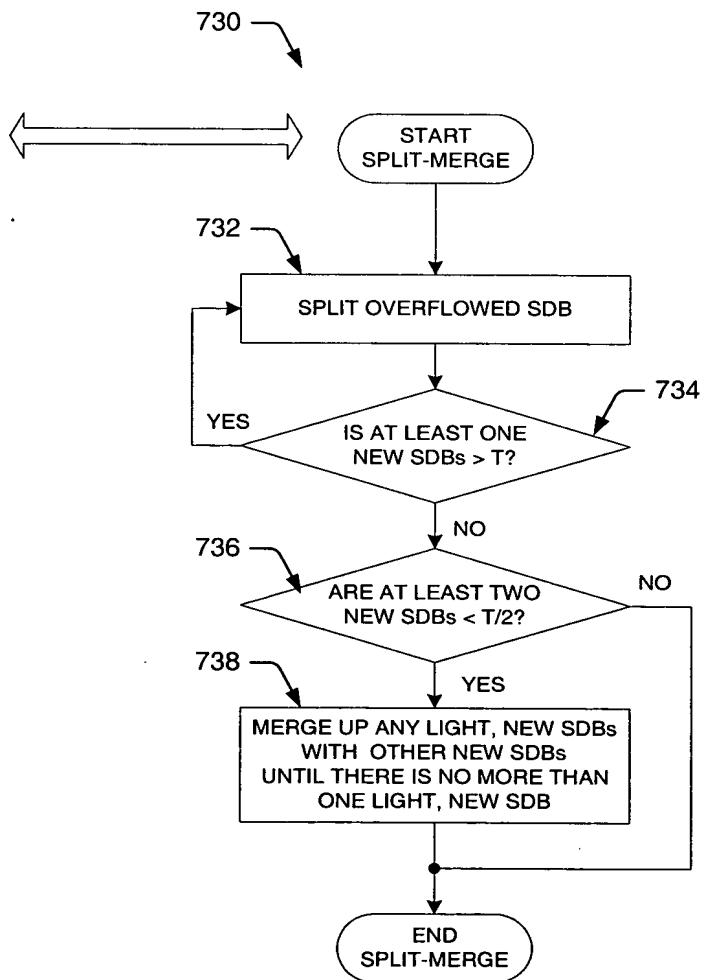
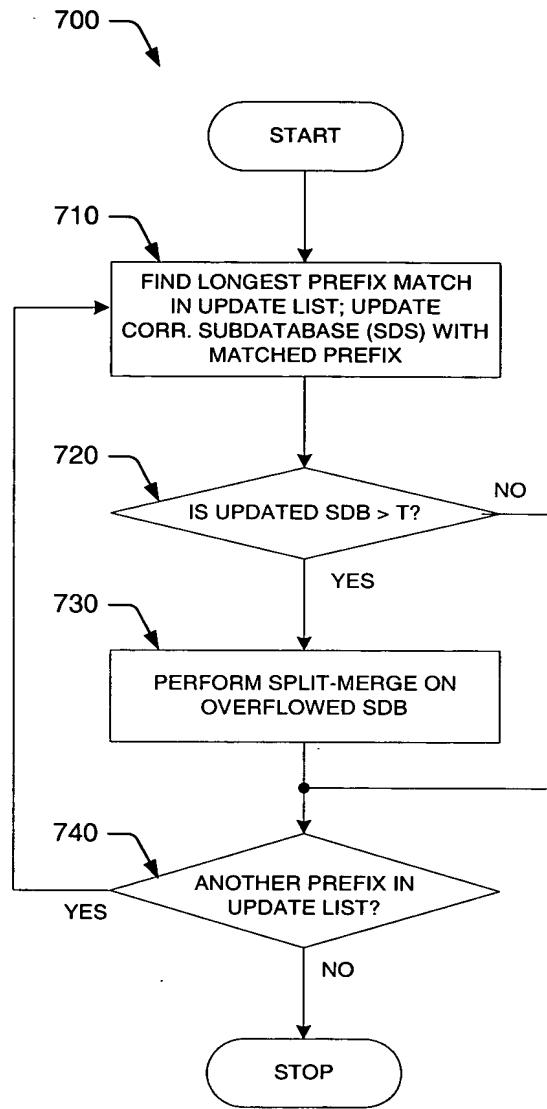


FIG. 7A

FIG. 7B

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## BASIC INCREMENTAL SPLIT MERGE (BISM) ALGORITHM

T=50; N=300; Ns=9

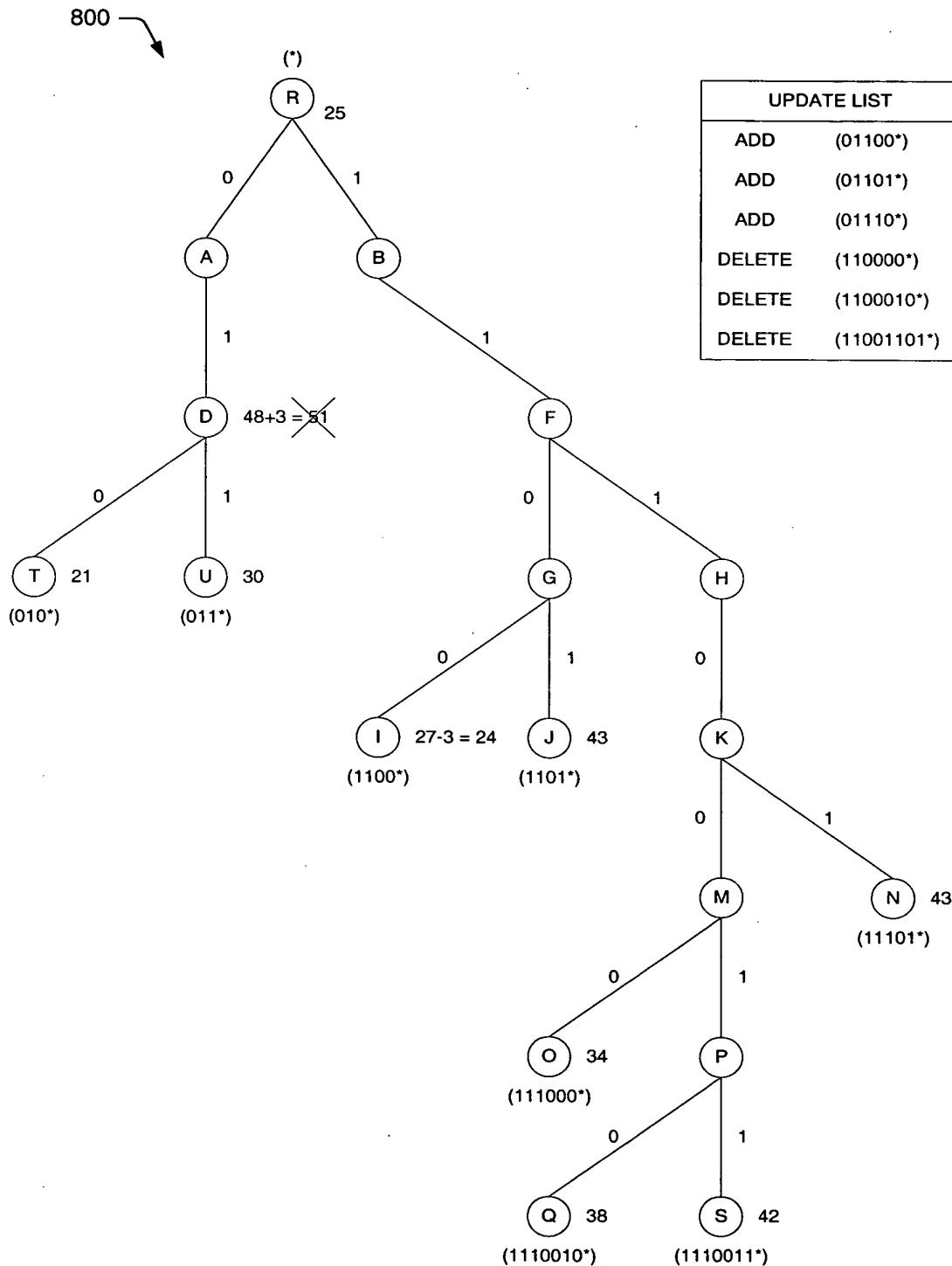


FIG. 8

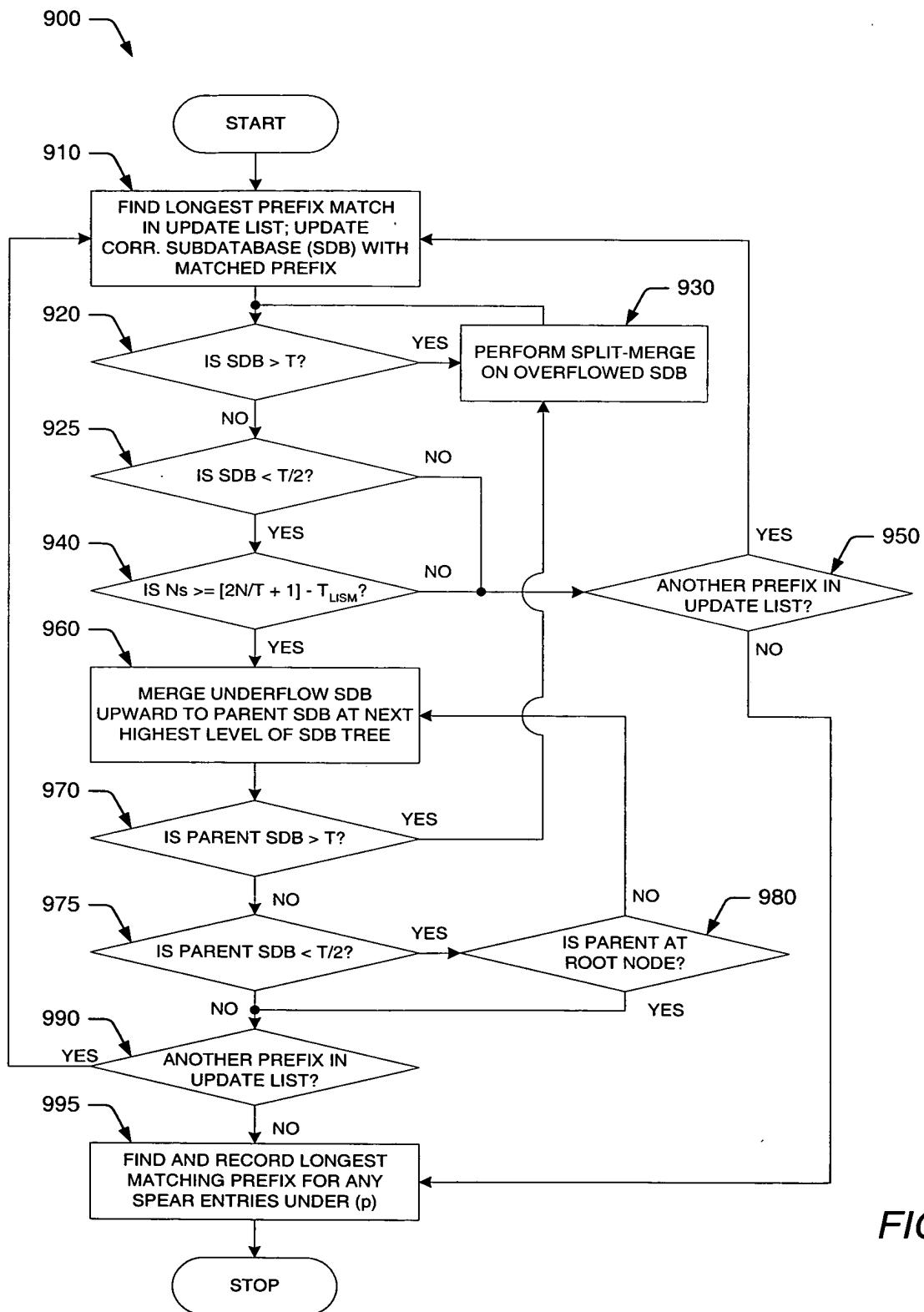


FIG. 9

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## LAZY INCREMENTAL SPLIT MERGE (LISM) ALGORITHM

$T=50$ ;  $N=300$ ;  $T_m=4$ ;  $(2N/T)+1=13$ ;  $N_s=8$

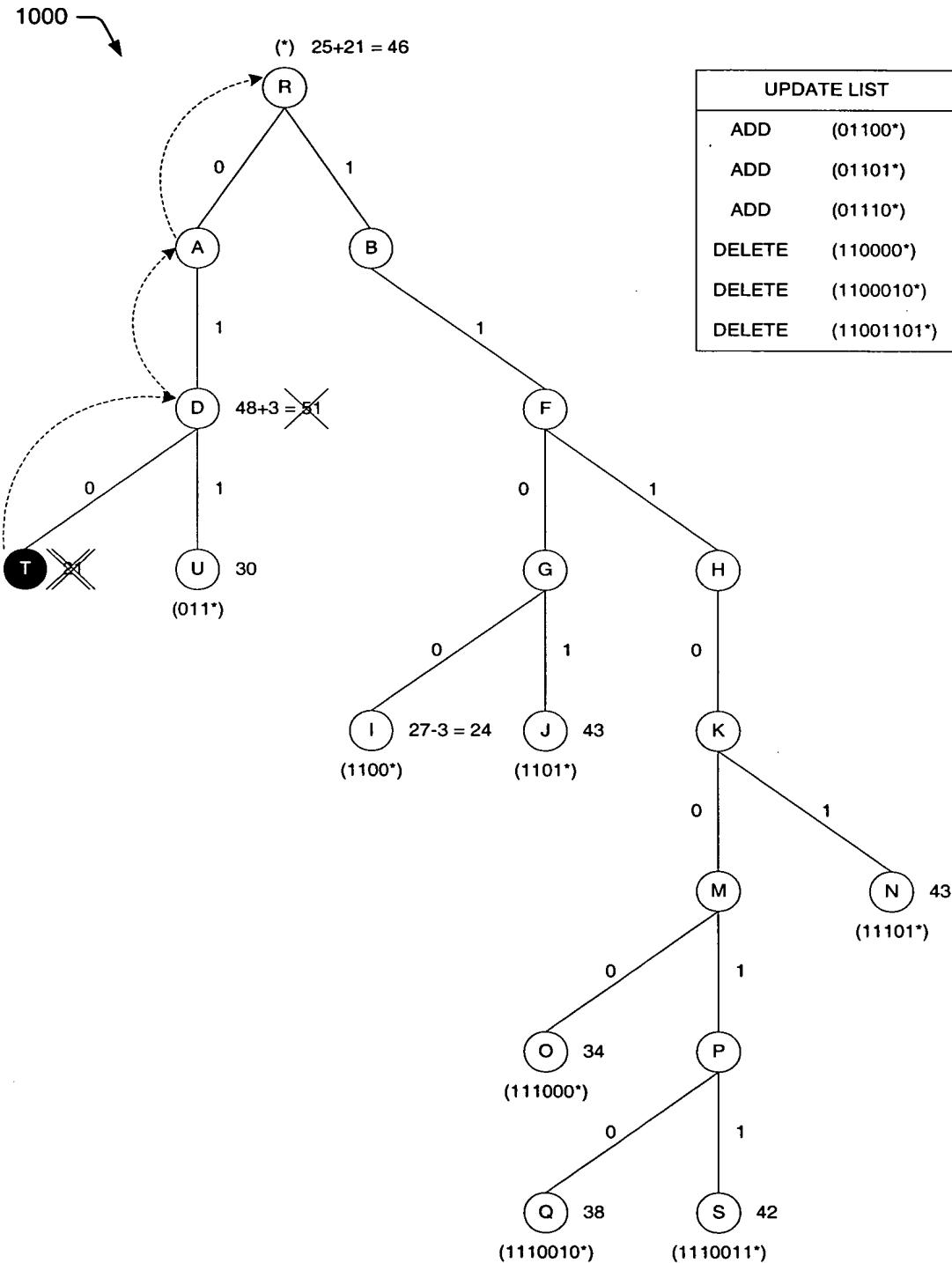


FIG. 10

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## LAZY INCREMENTAL SPLIT MERGE (LISM) ALGORITHM

$T=50$ ;  $N=300$ ;  $T_m=5$ ;  $(2N/T)+1=13$ ;  $N_s=8$

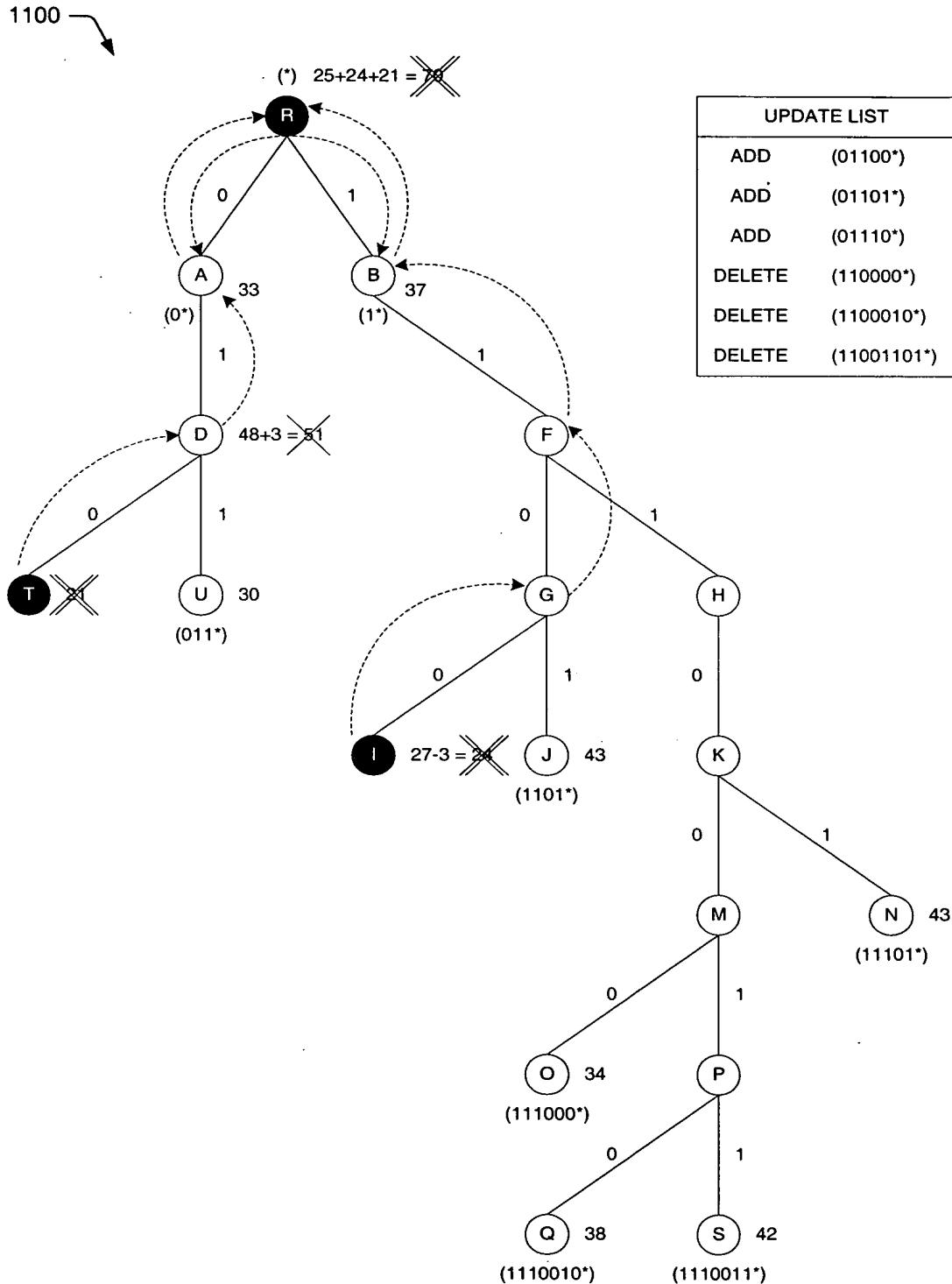


FIG. 11

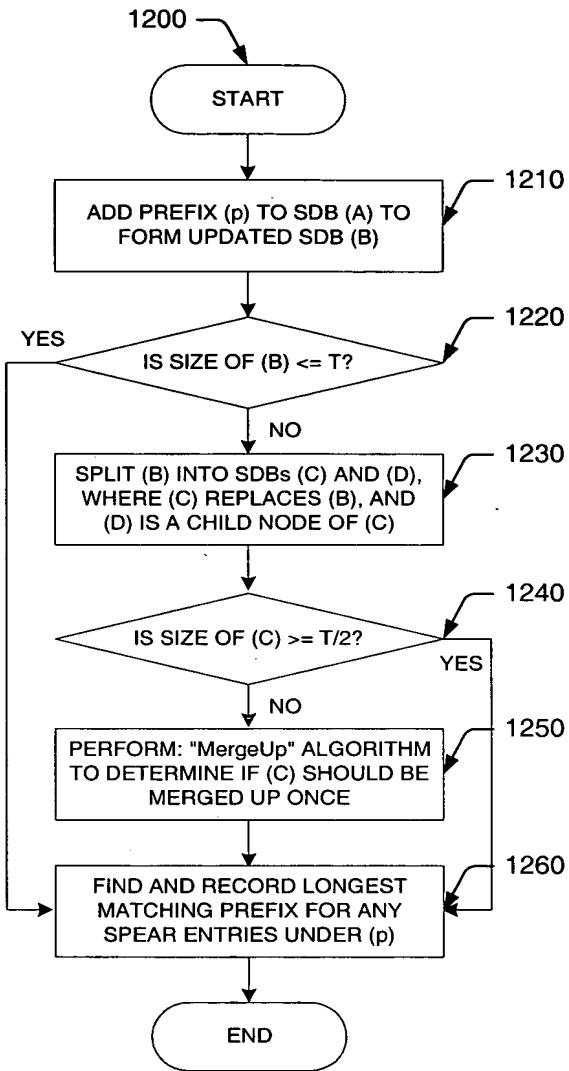


FIG. 12A

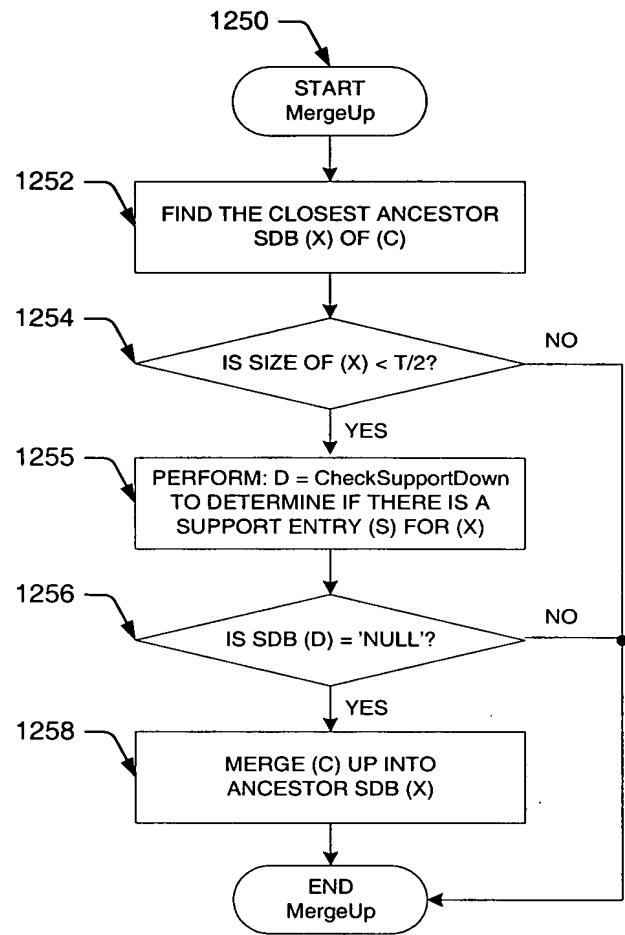


FIG. 12B

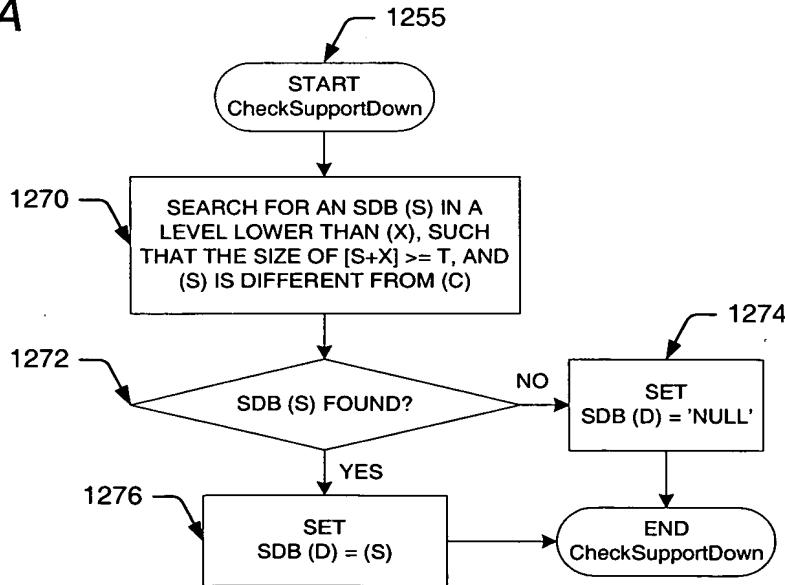


FIG. 12C

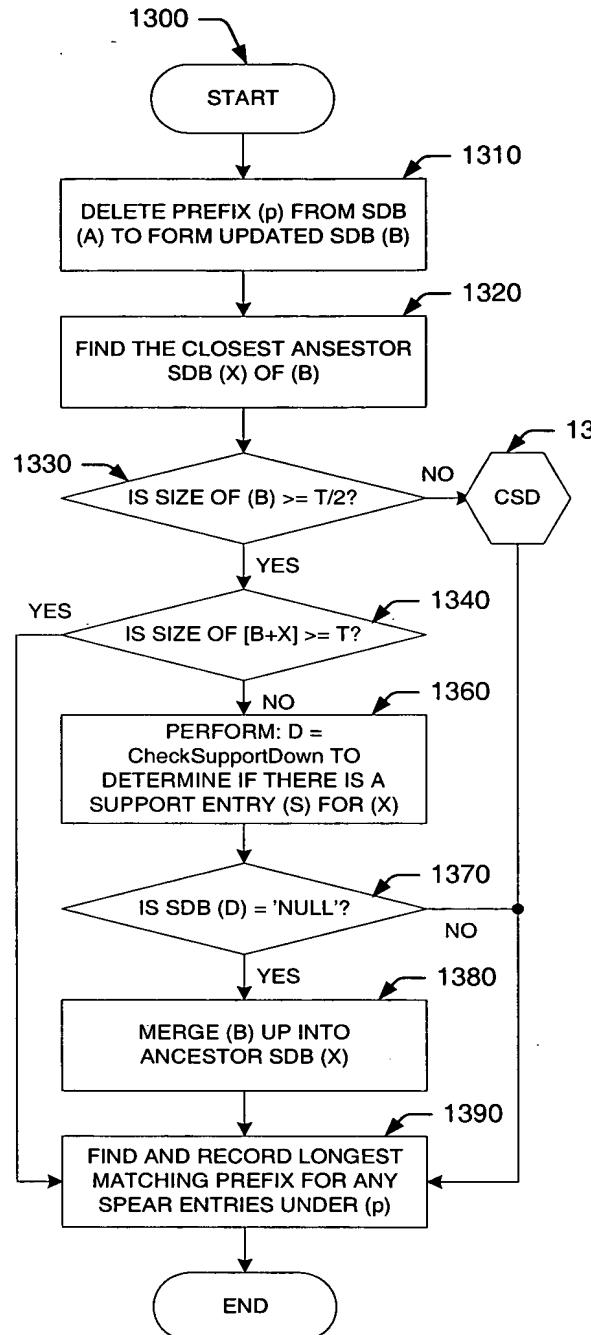


FIG. 13A

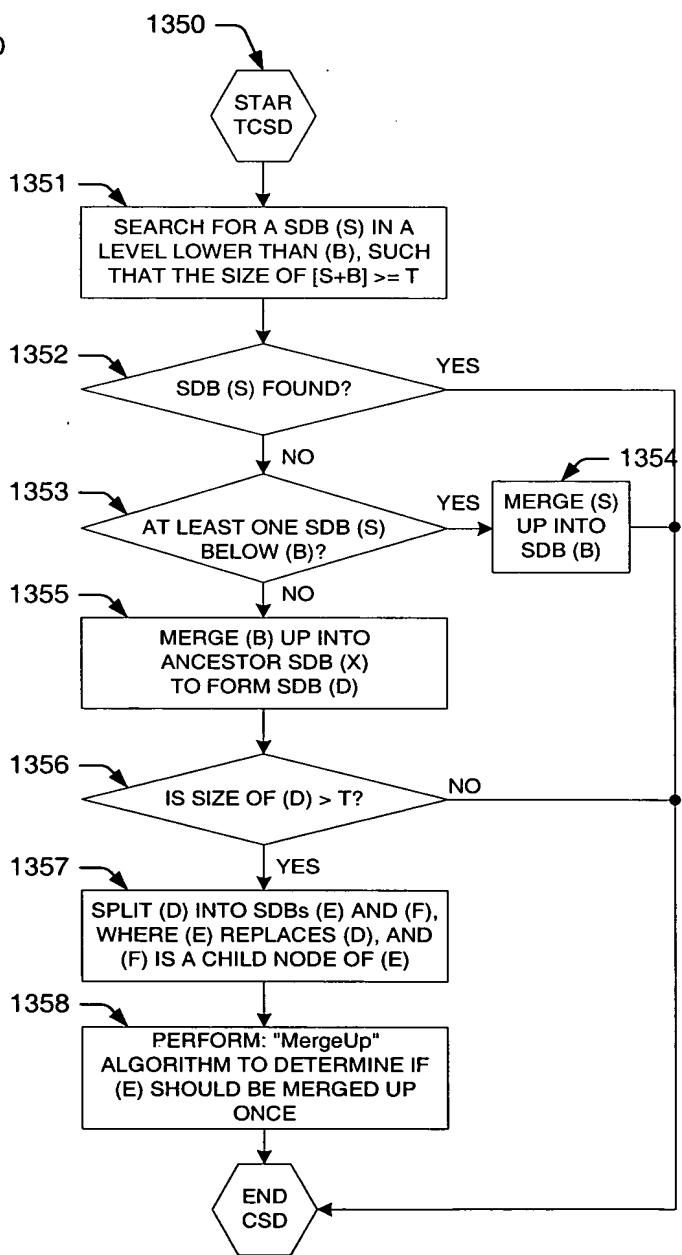


FIG. 13B

## INCREMENTAL DOWN-SUPPORT SPLIT MERGE (DSM) ALGORITHM

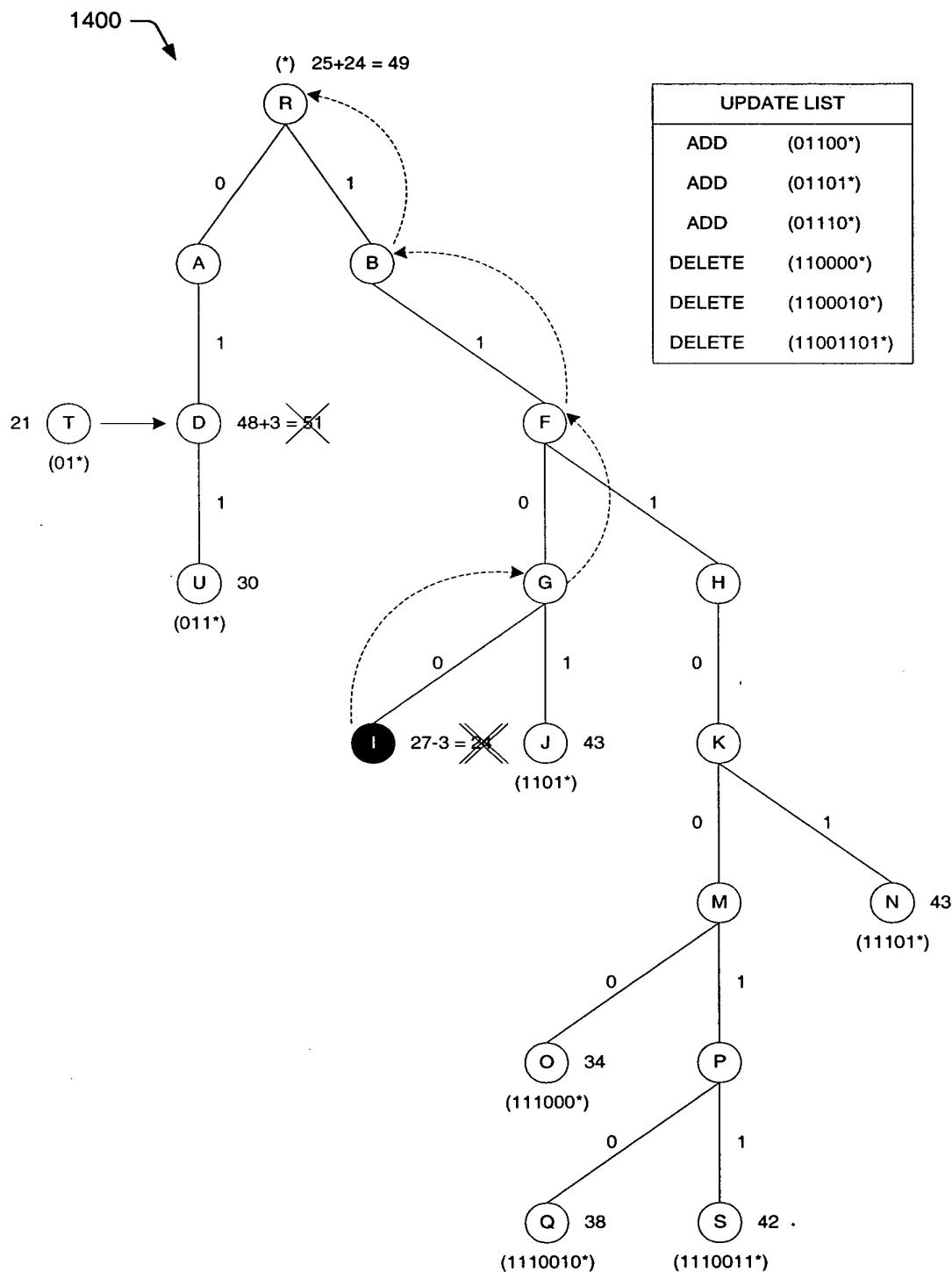
T=50; N=300;  $(2N/T)+1=13$ ; Ns=8

FIG. 14